

IN THE CLAIMS

1. (cancelled)

2. (cancelled).

3. (previously presented) A method of forming a microelectronic package, comprising:

a) providing a dielectric layer with a top side, a bottom side, a top metal layer on the top side, and a bottom metal layer on the bottom side;

b) forming first apertures in the top metal layer and forming vias in the dielectric layer aligned with the first apertures;

c) applying a first resist to the top metal layer, applying a second resist to the bottom metal layer and patterning the first resist and second resist in the same step to form first openings in the first resist and second openings in the second resist;

d) the first openings leaving uncovered portions of the top metal layer surrounding the vias, and the second openings being aligned with the first openings;

e) forming top conductive features from portions of the top metal layer aligned with the first openings and bottom conductive features on portions of the bottom metal layer aligned with said second openings;

f) juxtaposing the dielectric layer with a microelectronic element so that the bottom conductive features are aligned with contacts of the microelectronic element; and

g) electrically interconnecting the top conductive features and the bottom conductive features through the vias by depositing electrically conductive material in the vias without seeding the vias.

4. (original) The method of claim 3, further comprising bonding the bottom conductive features to the contacts of the microelectronic element.

5. (original) The method of claim 3, wherein the bottom conductive features include pads at an end of the bottom conductive features and the method includes bonding the pads to the contacts of the microelectronic element.

6. (previously presented) A method of forming a microelectronic package, comprising:

a) providing a dielectric layer with a top side, a bottom side, a top metal layer on the top side, and a bottom metal layer on the bottom side;

b) forming first apertures in the top metal layer and forming vias in the dielectric layer aligned with the first apertures;

c) applying a first resist to the top metal layer, applying a second resist to the bottom metal layer and patterning the first resist and second resist in the same step to form first openings in the first resist and second openings in the second resist;

d) the first openings leaving uncovered portions of the top metal layer surrounding the vias, and the second openings being aligned with the first openings;

e) forming top conductive features from portions of the top metal layer aligned with the first openings and bottom conductive features on portions of the bottom metal layer aligned with said second openings;

f) juxtaposing the dielectric layer with a microelectronic element so that the bottom conductive features are aligned with contacts of the microelectronic element;

g) electrically interconnecting the top

conductive features and the bottom conductive features through the vias by depositing electrically conductive material in the vias without seeding the vias;

h) bonding the bottom conductive features to the contacts on the microelectronic element; and

i) moving the microelectronic element and the dielectric layer with respect to one another after the step of bonding so that the bottom conductive features are deformed into a vertically extensive shape.

7. (original) The method of claim 6, wherein the step of electrically interconnecting is performed after the step of moving.

8.- 12. (cancelled)